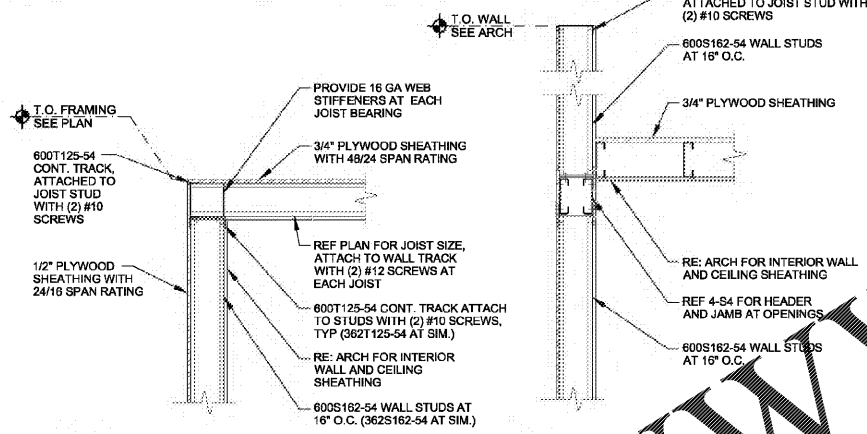


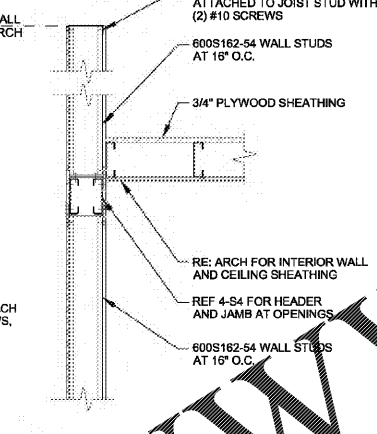
**1**  
**S4** **FRAMING PLAN**  
 SCALE: 3/8" = 1'-0"

- LIGHT GAUGE STEEL FRAMING NOTES:**
- STUD SIZES, GAUGES, SPACING, CONNECTIONS, AND DETAILS ARE MINIMUM REQUIREMENTS AND ARE BASED ON THE AMERICAN IRON AND STEEL INSTITUTE'S SECTION PROPERTIES.
  - MEMBERS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
    - A. 43 MIL (16 GA) AND LIGHTER MEMBERS ASTM A653, GRADE 33 (Fy=33)
    - B. 54 MIL (16 GA) AND HEAVIER MEMBERS ASTM A653, GRADE 50 CLASS 1 (Fy=50)
  - STUD MEMBERS SHALL HAVE 1/2" STIFFENING LIP.
  - SCREWS USED TO FASTEN COMPONENTS SHALL BE SELF-DRILLING SELF-TAPPING WITH HEX WASHER HEAD, UNO, MEETING THE REQUIREMENTS OF ASTM C1513, AND SHALL MEET THE FOLLOWING NOMINAL FASTENER STRENGTH REQUIREMENTS:
 

SIZE	SHEAR (LB)	TENSILE (LB)
A. #10 SCREWS	1,625	2,654
B. #12 SCREWS	2,171	3,380
  - SCREWS SHALL PENETRATE THROUGH THE SUPPORTING STEEL WITH A MINIMUM OF THREE THREADS PROTRUDING PAST THE BACK SIDE OF THE SUPPORTING STEEL.
  - IF DETAILED CONNECTIONS OCCUR AT BRIDGING HOLES, CONTRACTOR SHALL OBTAIN AN APPROVED MODIFICATION DETAIL FROM THE ENGINEER OF RECORD.
  - WALL STUD BRIDGING SHALL BE INSTALLED PER TYPICAL DETAILS. WALL SHEATHING AND APPLIED FINISH MATERIALS SHALL NOT BE CONSIDERED BRIDGING OR FLANGE BRACING, UNO.
- PLYWOOD SHEATHING NOTES:**
- SHEATHING SHALL BE EXTERIOR TYPE STRUCTURAL I WITH EXTERIOR GLUE CONFORMING TO PS-1.
  - ATTACH SHEATHING TO STUDS/JOIST WITH #10 SCREWS SPACED AT 6" AT SUPPORT EDGE AND 12" AT SUPPORT FIELD.
  - LAY SHEATHING LONG DIMENSION PERPENDICULAR TO SUPPORTS.



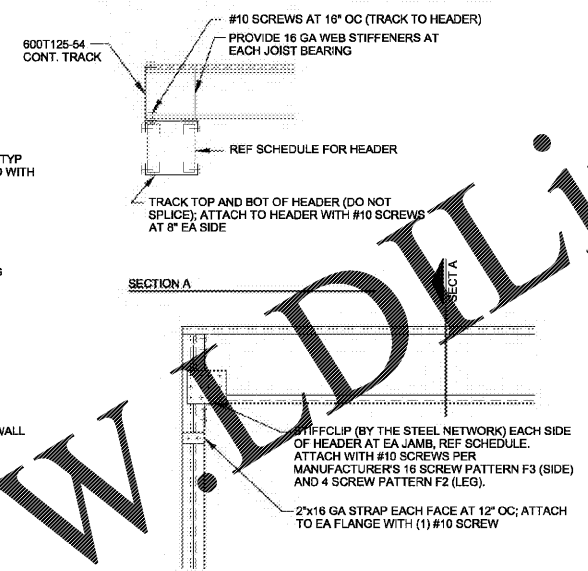
**2**  
**S4** **FRAMING DETAIL**



**3**  
**S4** **FRAMING DETAIL**

HEADER SCHEDULE				
WIDTH	HEADER	HEADER TRACKS	KING STUD	HEADER CLIP (EA END)
6"	(2) 600S162-54	(2) 600T125-54	(2) 600S162-54	(2) STIFFCLIP HE(H)

NOTES:  
 1. USE HEADER SCHEDULE ABOVE, UNLESS NOTED OTHERWISE ON PLANS.  
 2. ALL KING STUDS SHALL BE STRAPPED TOGETHER AS SHOWN.



**4**  
**S4** **LOAD-BEARING HEADER DIAGRAM**

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WALLACE ENGINEERING, INC.  
 STRUCTURAL CONSULTANTS, INC.  
 GEORGIA CERTIFICATION OF AUTHORIZATION: 06670

ISSUE BLOCK	
REV #	DATE
1	10/02/20
2	11/13/20

PROPERTY NO.: 180109  
 6 DIGIT NO.: 908074  
 4 DIGIT NO.: 7843  
 AOR PROJECT NUMBER: 1955B55  
 TO PERMIT: DATE: 04/08/20  
 TO BID: DATE: ###-##-##

SHEET TITLE:  
**FRAMING PLAN AND DETAILS**

SHEET NUMBER:  
**S4**